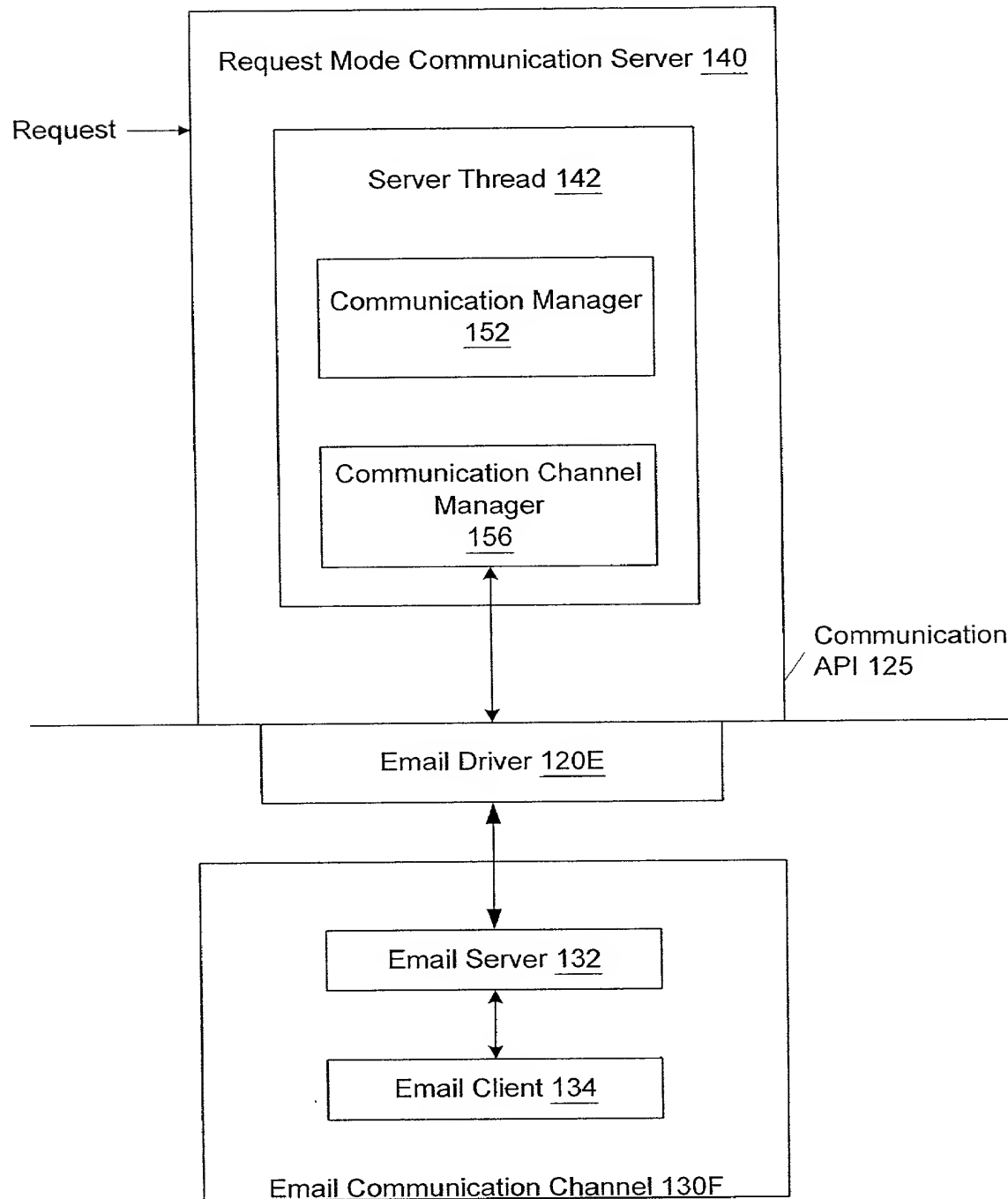
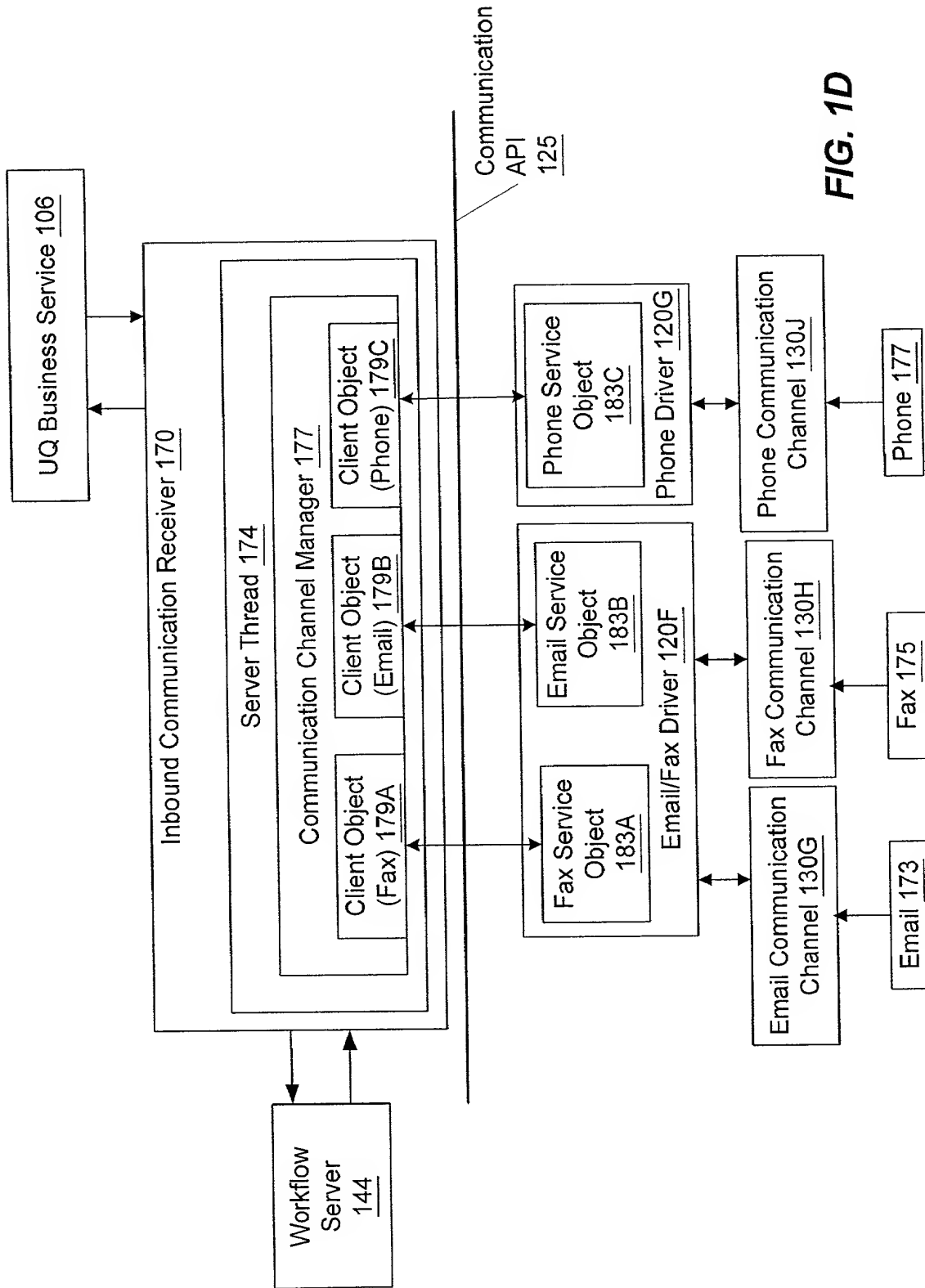


**FIG. 1B**

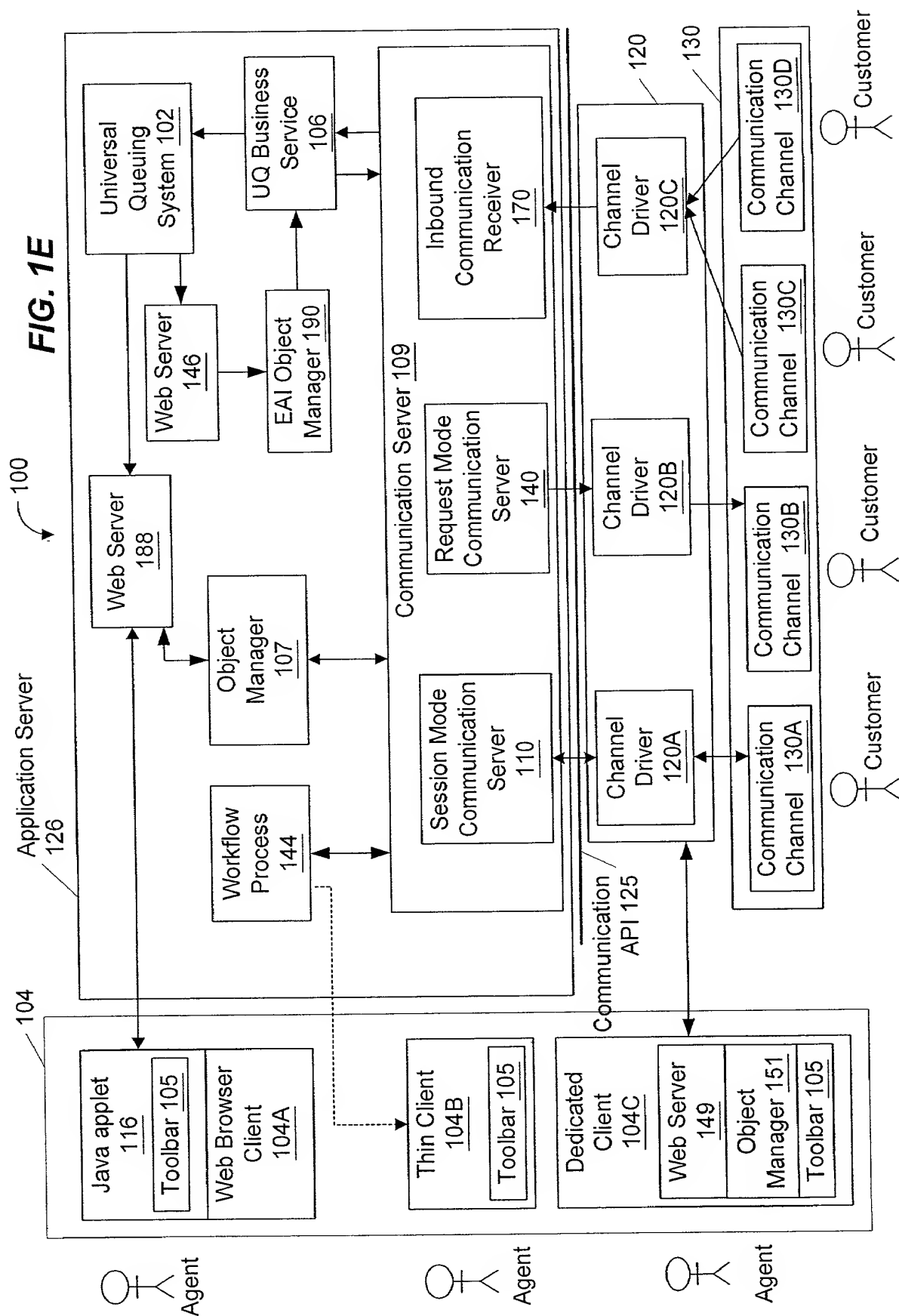


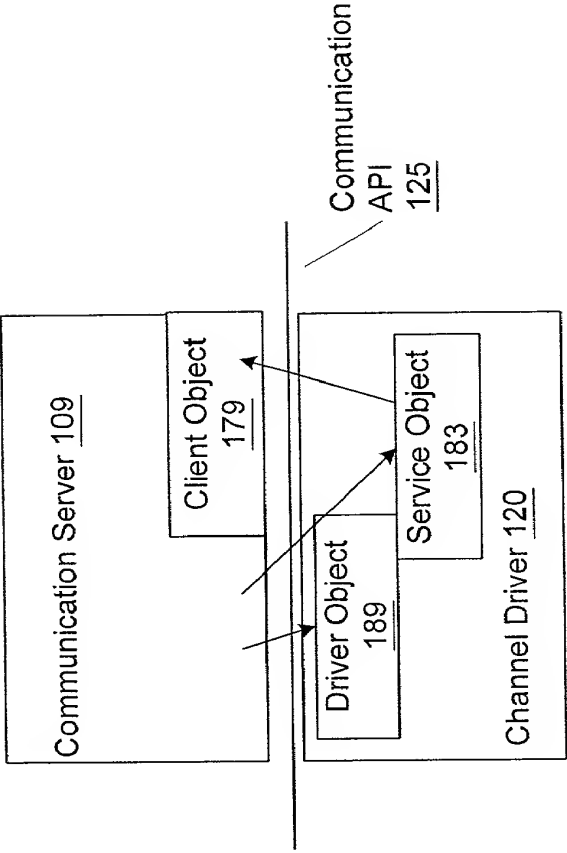
**FIG. 1C**



**FIG. 1D**

FIG. 1E





**FIG. 1F**

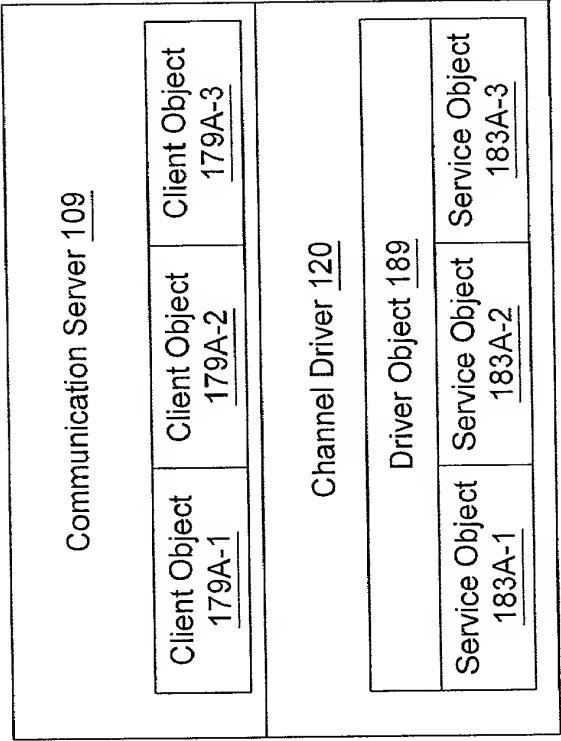


FIG. 1G

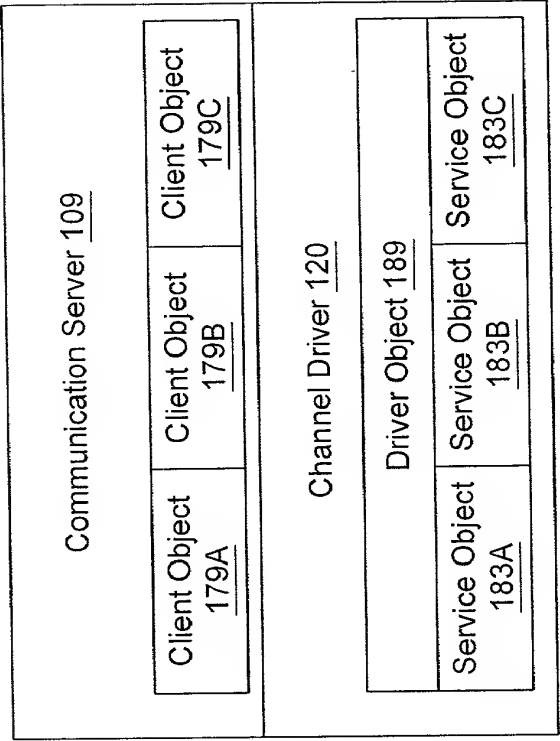


FIG. 1H



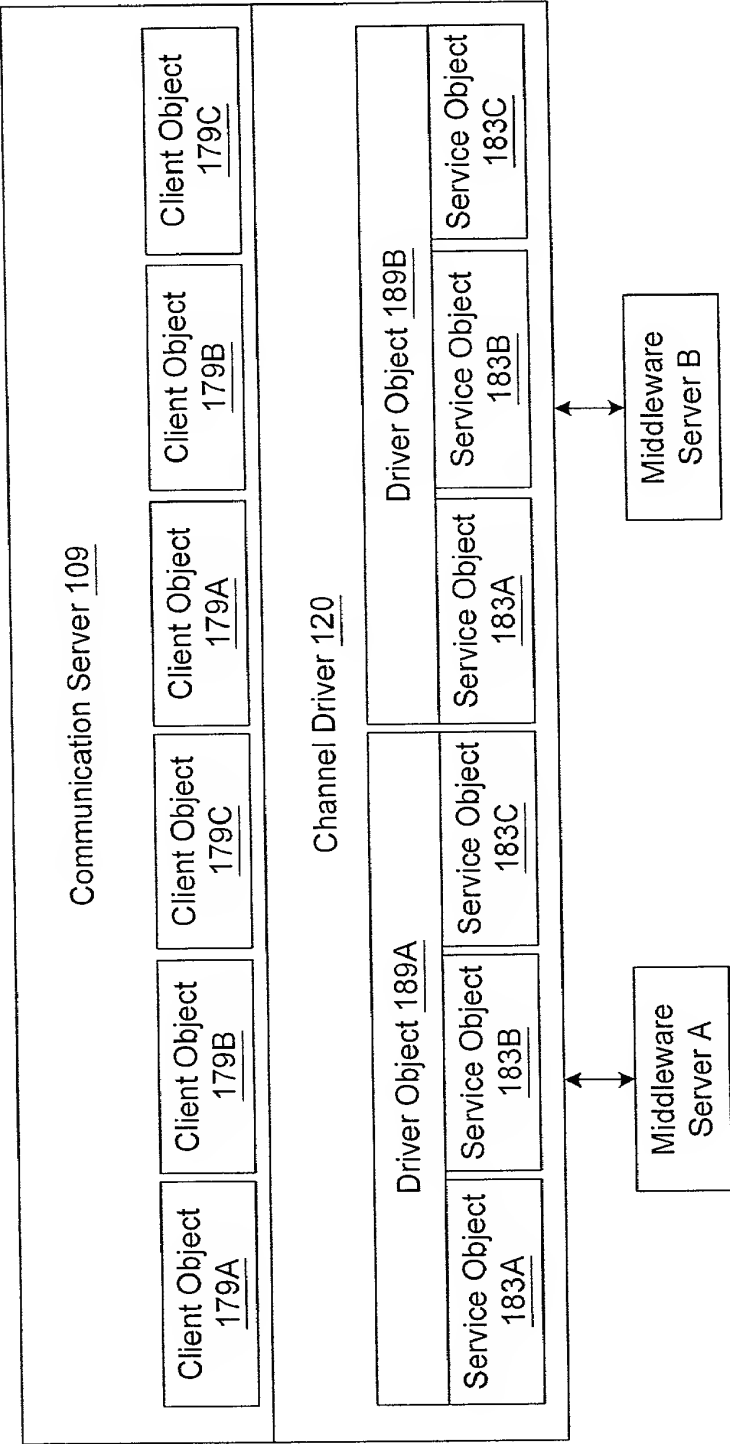


FIG. 1I

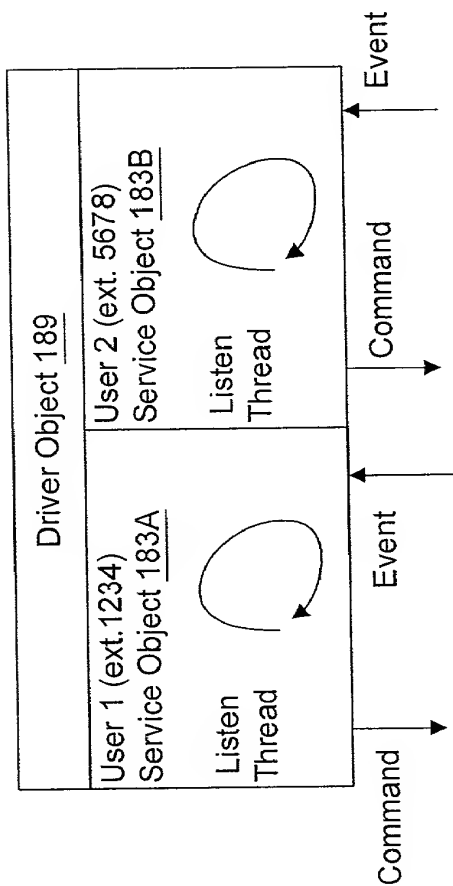


FIG. 1K

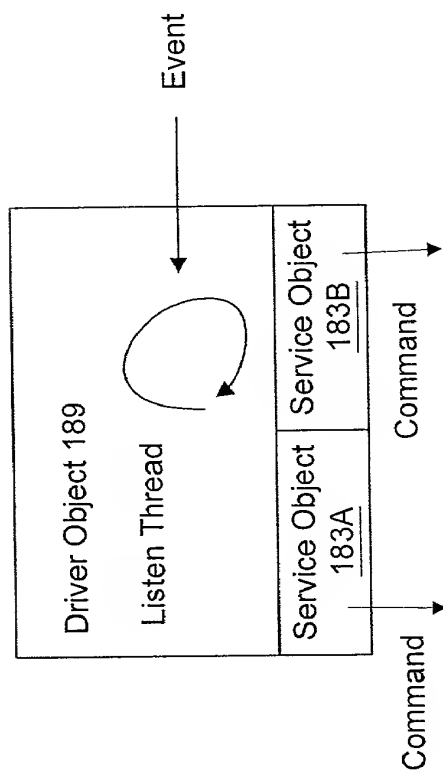


FIG. 1J

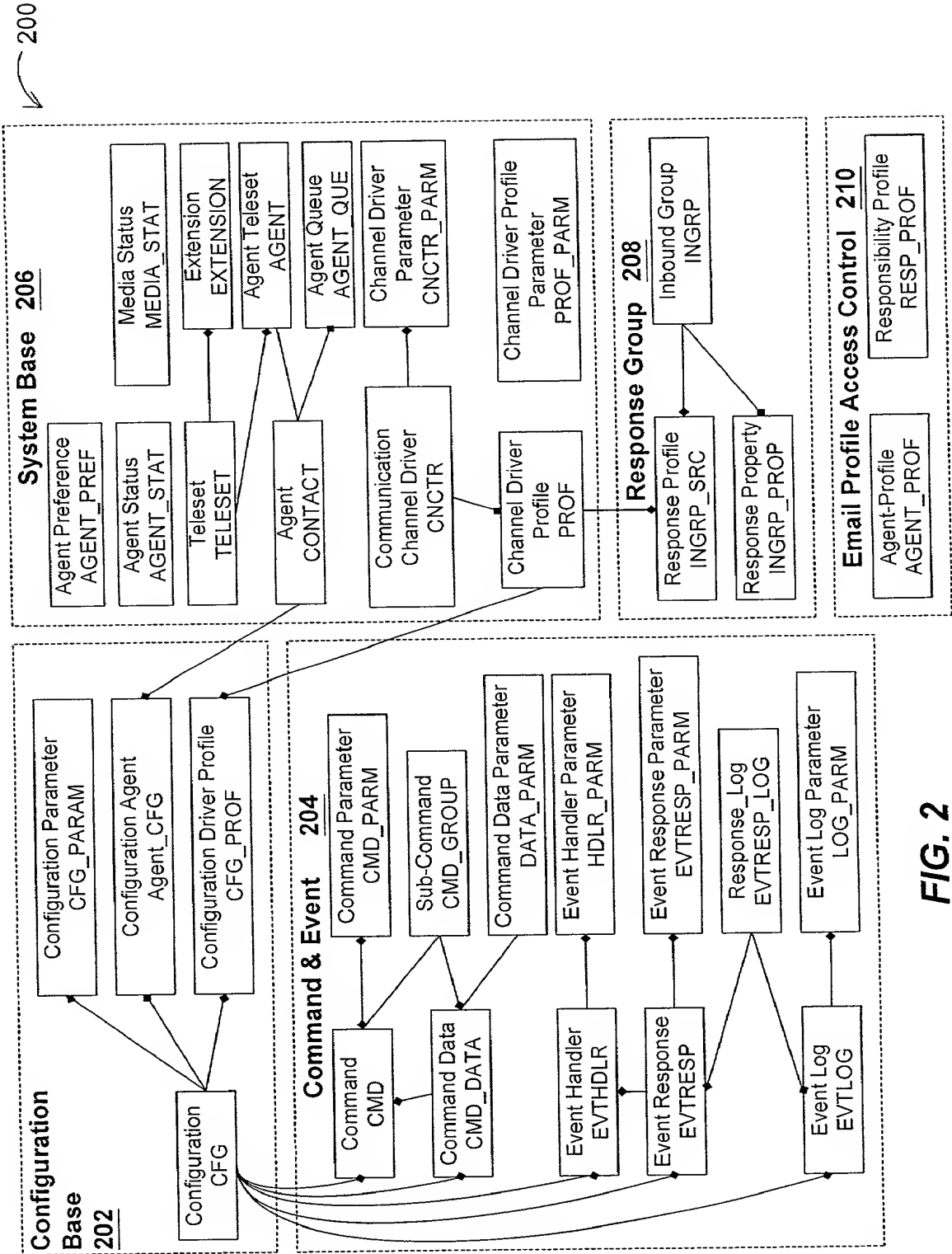


FIG. 2

**FIG. 2a: CNCTR, Communication Channel Driver Table**

Column Name	Type	Length	Comments
CNCTR_ID	Varchar	15	Identifier for channel driver channel driver CNCTR. CNCTR refers to software <i>connector</i> .
NAME	Varchar	75	Name of channel driver.
MEDIA_TYPE	Varchar	50	Media type. The value of this column can be expanded by customer.
LIB_NAME	Varchar	250	File name of channel driver DLL
INBOUND_FLG	Char	1	To indicate whether this channel driver supports inbound communications
OUTBOUND_FLG	Char	1	To indicate whether this channel driver supports outbound communications
CNCTR_MEDIA_STR	Varchar	100	The media string defined by the driver vendor, which will be used at run time to invoke the media service for the channel driver.
DESC_TEXT	Varchar	250	Comments
UQ_DRIVER_FLAG	Char	1	To indicate whether this channel driver is Universal Queuing type of channel driver

FIG. 2b: CNCTR\_PARM, Channel Driver Parameter Table

Column Name	Type	Length	Comments
CNCTR_PARM_ID	Varchar	15	Identifier for channel driver parameter
NAME	Varchar	75	Name of channel driver parameter
DFLT_VALUE	Varchar	250	Default value of channel driver parameter
CNCTR_ID	Varchar	15	
REQUIRED_FLG	Char	1	To indicate whether this parameter must have a value at runtime

FIG. 2c: PROF, Communication Channel Driver Profile Table

Column Name	Type	Length	Comments
PROF_ID	Varchar	15	Identifier for channel driver profile
NAME	Varchar	75	Name of channel driver profile
CNCTR_ID	Varchar	15	

FIG. 2d: PROF\_PARM, Communication Channel Driver Profile Parameter Table

Column Name	Type	Length	Comments
PROF_PARM_ID	Varchar	15	Identifier for channel driver profile parameter
PROF_ID	Varchar	15	Channel Driver Profile ID
CNCTR_PARM_ID	Varchar	15	Parameter name ID
VALUE	Varchar	250	Override value of channel driver profile parameter.

FIG. 2e: AGENT\_PREF, Agent Preference Table

Column Name	Type	Length	Comments
AGENT_PREF_ID	Varchar	15	Identifier for agent preference
EMP_ID	Varchar	15	
SETTING_NAME	Varchar	75	Preference name
SETTING_VALUE	Varchar	250	Preference value
SETTING_TYPE	Varchar	50	Preference type, e.g., "CTI" or "Communication"

FIG. 2f: AGENT\_STAT, Agent Status Table.

Column Name	Type	Length	Comments
AGENT_STAT_ID	Varchar	15	Identifier for agent status
EMP_ID	Varchar	15	Employee ID
PROF_ID	Varchar	15	The channel driver profile ID. Agent has different status for different types of channel driver profiles.
NOT_READY_FLG	Char	1	Is agent not ready?
BUSY_FLG	Char	1	Is agent busy?

FIG. 2g: MEDIA\_STAT, Communication Media Status Table.

Column Name	Type	Length	Comments
MEDIA_STAT_ID	Varchar	15	Identifier for media status
EMP_ID	Varchar	15	Employee ID
PROF_ID	Varchar	15	The channel driver profile ID of the channel driver profile to which the status corresponds.
MEDIA_OBJECT_STR	Varchar	250	The string to represent the media object (e.g. the agent's extension number, or the sender's address of an email)
WORKING_SINCE_DT	Date Time	7	Work item starting time
WORK_ITEM_STR	Varchar	250	Work item ID



FIG. 2h: TELESET, Teleset Table.

Column Name	Type	Length	Comments
TELESET_ID	Varchar	15	Identifier for teleset
NAME	Varchar	30	Teleset Name
HOSTNAME	Varchar	70	Hostname of the computer connected to the Teleset.
COMMENTS	Varchar	250	

FIG. 2i: EXTENSION, Extension Table.

Column Name	Type	Length	Comments
EXTENSION_ID	Varchar	15	Identifier for extension
TELESET_ID	Varchar	15	Teleset ID
DN_EXT	Varchar	15	Extension Information
EXT_ACD_QUE	Varchar	30	This is the ACD queue to which this extension belongs.
EXT_TYPE	Varchar	30	ACD Extension or standard extension
AUTO_LOGIN_FLAG	Char	1	Indicate if we need to login to ACD for this extension at startup.

FIG. 2j: AGENT, Communication Agent Table.

Column Name	Type	Length	Comments
AGENT_ID	Varchar	15	Identifier for agent
PR_CFG_ID	Varchar	15	The primary configuration the agent uses.
EMP_ID	Varchar	15	Employee ID
ACTIVE_CFG_ID	Varchar	15	The currently active configuration.
ACTIVE_TELESET_ID	Varchar	15	The Teleset that the agent is currently using.

FIG. 2k: AGENT\_TELESET, Communication Agent-Teleset Table

Column Name	Type	Length	Comments
AGENT_TELESET_ID	Varchar	15	Identifier for agent/teleset relationship
AGENT_ID	Varchar	15	Agent ID
TELESET_ID	Varchar	15	Teleset ID

FIG. 2l: AGENT\_QUEUE, Agent-Queue Table.

Column Name	Type	Length	Comments
AGENT_QUEUE_ID	Varchar	15	Identifier for agent/queue relationship
AGENT_ID	Varchar	15	Agent ID
ACD_QUEUE_NA ME	Varchar	30	ACD Queue
AUTO_LOGIN_FL AG	Char	1	Indicates need to login to ACD for this extension at startup.

FIG. 2m: AGENT\_LIM, Communication Agent Limitation Table.

Column Name	Type	Length	Comments
AGENT_LIM_ID	Varchar	15	Identifier for agent limitation
AGENT_ID	Varchar	15	Agent ID
PROF_ID	Varchar	15	Channel Driver Profile ID that agent cannot use.

FIG. 2n: CFG, Communication Configuration Table.

Column Name	Type	Length	Comments
CFG_ID	Varchar	15	Identifier for configuration
NAME	Varchar	30	Configuration name
INGRP_FLAG	Char	1	To indicate whether this configuration is for inbound response group used in inbound communication receiver.
COMMENTS	Varchar	250	

FIG. 2o: CFG\_PROF, Communication Configuration Channel Driver Profile Table

Column Name	Type	Length	Comments
CFG_PROF_ID	Varchar	15	Configuration/channel driver profile relationship
CFG_ID	Varchar	15	Configuration ID
PROF_ID	Varchar	15	Channel Driver Profile ID

FIG. 2p: AGENT\_CFG, Communication Agent - Configuration Table

Column Name	Type	Length	Comments
AGENT_CFG_ID	Varchar	15	Identifier for agent/configuration relationship
AGENT_ID	Varchar	15	Agent ID
CFG_ID	Varchar	15	Configuration ID

FIG. 2q: CFG\_PARM, Communication Configuration Parameter Table.

Column Name	Type	Length	Comments
CFG_PARM_ID	Varchar	15	Identifier for configuration parameterand
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	50	Parameter Name
VALUE	Varchar	50	Parameter Value
ACTIVE_FLG	Char	1	Active flag is set if the value is valid

FIG. 2r: CMD, Communication Command Table

Column Name	Type	Length	Comments
CMD_ID	Varchar	15	Identifier for command
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	70	Command name
TYPE	Varchar	50	Command type
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile that this command is targeting.

FIG. 2s: CMD\_PARM, Communication Command Parameter Table

Column Name	Type	Length	Comments
CMD_PARM_ID	Varchar	15	Identifier for command parameter
CMD_ID	Varchar	15	Command ID
PARAM_NAME	Varchar	100	Command parameter name
PARAM_VALUE	Varchar	100	Command parameter value

FIG. 2t: CMD\_DATA, Communication Command Data Table

Column Name	Type	Length	Comments
CMD_DATA_ID	Varchar	15	Identifier for command data
CFG_ID	Varchar	15	Command ID
NAME	Varchar	100	Command parameter name
Comment	Varchar	200	Comment (optional)

FIG. 2u: CMD\_DATA\_PARAM, Communication Command Data Parameter Table

Column Name	Type	Length	Comments
CMD_DATA_PAR AM_ID	Varchar	15	Identifier for command data parameter
CMD_DATA_ID	Varchar	15	Identifier for command data
PARAM_NAME	Varchar	100	Command parameter name
PARAM_VALUE	Varchar	200	

FIG. 2v: CMD\_GROUP, Communication Command Group Table

Column Name	Type	Length	Comments
CMD_GROUP_ID	Varchar	15	Identifier for group of commands
SUB_CMD_ID	Varchar	15	Foreign key to command table
ORDER	Number	10	Default "0"



FIG. 2w: EVTHDLR, Communication Event Handler Table

Column Name	Type	Length	Comments
EVTHDLR_ID	Varchar	15	Identifier for event handler
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile from which this event originated.
NAME	Varchar	100	Event name
MEDIA_EVENT	Varchar	100	Identifier for event
ORDER	Number	10	Default "0"
EVT_RESP_ID	Varchar	15	Foreign key to event response table
Comment	Varchar	200	Comment (optional)

FIG. 2x: HDLR\_PARM, Communication Event Handler Parameter Table

Column Name	Type	Length	Comments
HDLR_PARM_ID	Varchar	15	Identifier for event handler response
EVT_HDLR_ID	Varchar	15	Identifier for event handler
PARAM_NAME	Varchar	100	Event parameter name
PARAM_VALUE	Varchar	200	Event parameter value

FIG. 2y: EVTRESP, Communication Event Response Table

Column Name	Type	Length	Comments
EVTRESP_ID	Varchar	15	Identifier for event response
CFG_ID	Varchar	15	Identifier for configuration
NAME	Varchar	100	Event parameter name
COMMENT	Varchar	200	Comment (optional)

FIG. 2z: EVTRESP\_PARM, Communication Event Response Parameter Table

Column Name	Type	Length	Comments
RESP_PARM_ID	Varchar	15	Identifier for event response parameter
EVTRESP_ID	Varchar	15	Identifier for event response
PARAM_NAME	Varchar	100	Event response parameter name
PARAM_VALUE	Varchar	200	Event response parameter value

FIG. 2aa: EVTLOG, Communication Event Log Table

Column Name	Type	Length	Comments
EVTLOG_ID	Varchar	15	Identifier for event log
CFG_ID	Varchar	15	Foreign key for configuration table
NAME	Varchar	100	Event parameter name
COMMENT	Varchar	200	Comment (optional)

FIG. 2bb: LOG\_PARM, Communication Event Log Parameter Table

Column Name	Type	Length	Comments
LOG_PARM_ID	Varchar	15	Identifier for event log parameter
EVTLOG_ID	Varchar	15	Identifier for event log
PARAM_NAME	Varchar	100	Event log parameter name
PARAM_VALUE	Varchar	200	Event log parameter value

FIG. 2cc: EVTRESP\_LOG Event Response – Event Log Table

Column Name	Type	Length	Comments
RESP_LOG_ID	Varchar	15	Identifier for response log
EVTRESP_ID	Varchar	15	Identifier for event response
EVTLOG_ID	Varchar	15	Identifier for event log
LOG_TYPE	Varchar	100	Type of EventLog declaration specified in EventResponse definition.

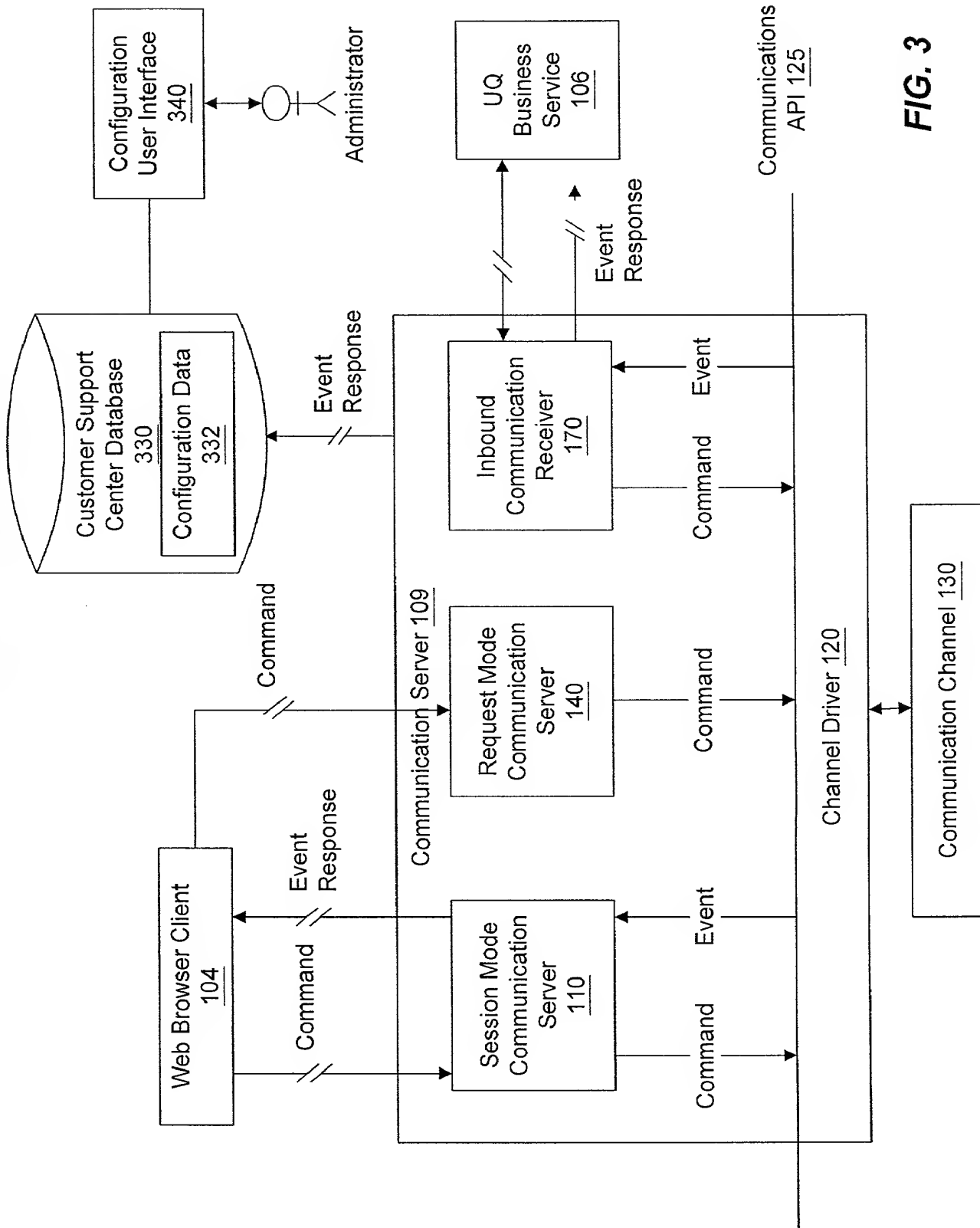
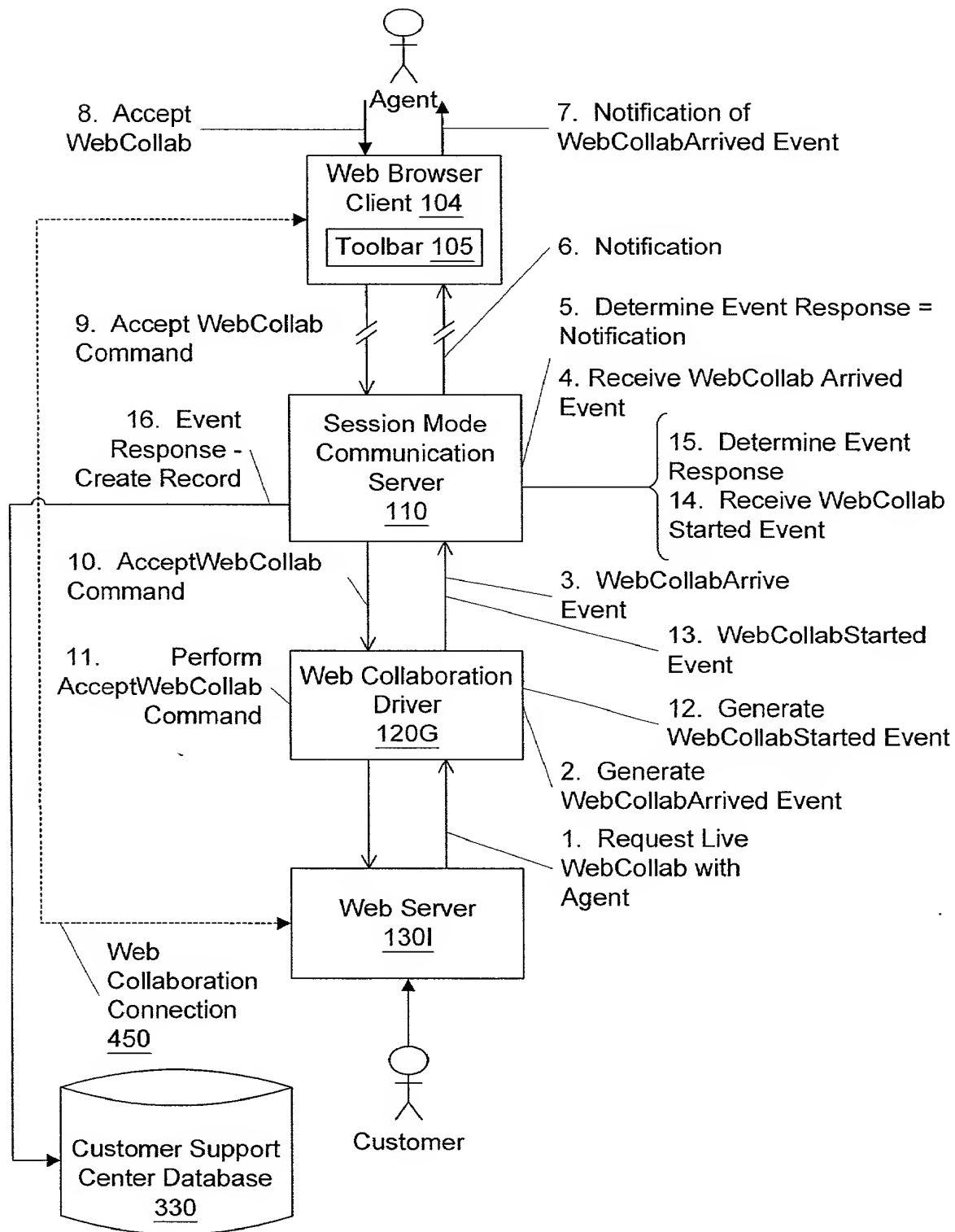


FIG. 3



**FIG. 4**

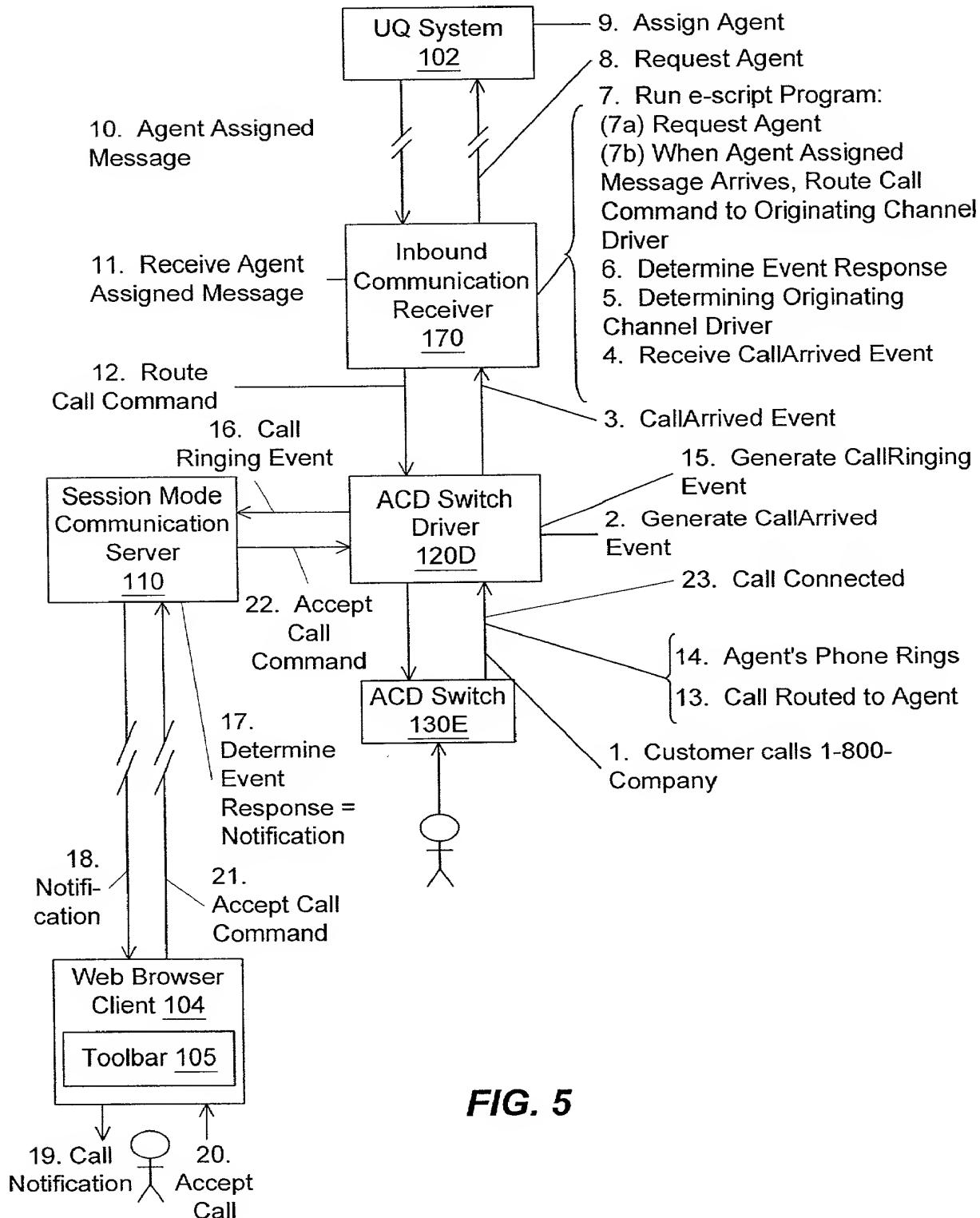
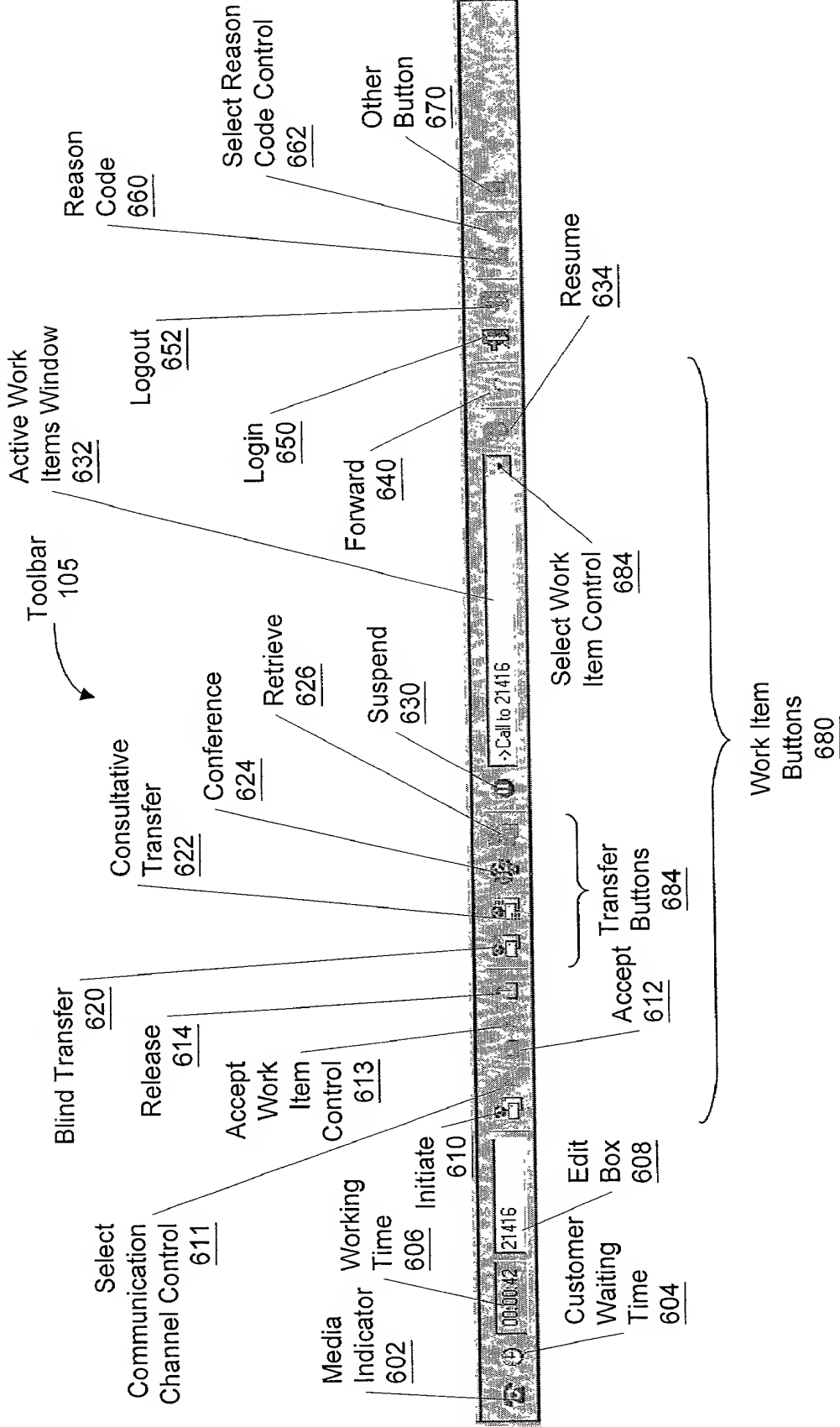


FIG. 6 is a screenshot of a graphical user interface (GUI) for a multi-channel media independent server. The GUI displays a toolbar 105 with various icons and controls. The toolbar includes a 'Select Communication Channel Control' 611, a 'Media Indicator' 602, a 'Working Time' 606, an 'Initiate' button 610, an 'Accept Work Item Control' 613, a 'Release' button 614, a 'Blind Transfer' button 620, a 'Consultative Transfer' button 622, a 'Conference' button 624, a 'Retrieve' button 626, a 'Suspend' button 630, a 'Forward' button 640, a 'Login' button 650, a 'Logout' button 652, a 'Reason Code' 660, a 'Select Reason Code Control' 662, and an 'Other Button' 670. The toolbar also features a 'Customer Waiting Time' 604, an 'Edit Box' 608, and a 'Work Item Buttons' 680 section containing 'Accept Buttons' 612, 'Transfer Buttons' 684, and a 'Select Work Item Control' 684. A 'Resume' button 634 is also present. The toolbar is part of an 'Active Work Items Window' 632. The toolbar is labeled 'Toolbar 105'.



**FIG. 6**